

GAS CONDITIONING FACILITY  
PSD-X 82-05  
ISSUED 3-12-82

EXPIRES 9-12-83

TABLE 1-2  
PROPOSED POLLUTANT EMITTING FACILITIES

	<u>Capacity (each unit)</u>	<u>Total</u>
1. Process Related Gas Turbines (23)		
3 local fuel gas turbines	BHP (25,200)	
1 local fuel gas turbine (spare)	BHP (25,200)	
3 stripping overhead gas turbines	BHP (14,000)	
1 stripping overhead gas turbine (spare)	BHP (14,000)	
4 refrigeration gas turbines	BHP (25,200)	
1 refrigeration gas turbine (spare)	BHP (25,200)	
5 sales gas turbines	BHP (28,190)	
1 sales gas turbine (spare)	BHP (28,190)	
1 field fuel gas turbine	BHP (28,132)	
1 field fuel gas turbine (spare)	BHP (28,132)	
1 CO <sub>2</sub> injection gas turbine	BHP (10,500)	
1 CO <sub>2</sub> injection gas turbine (spare)	BHP (10,500)	
		529,204 BHP
2. Power Gas Turbine Units (14)		
2 gas turbine generators	(25.9 MW) (34727 BHP)	
1 gas turbine generator (spare)	(25.9 MW) (34727 BHP)	
4 gas turbine generators (emergency use)	(2.5 MW) (3315 BHP)	3353
6 gas turbine generators (crude oil cooling facilities)	(0.8 MW) (1350 BHP)	1073
1 gas turbine generator (control center)	(2.5 MW) (3315 BHP)	3353
		128,856 BHP
3. Space and Process Heaters (10)		
1 local field fuel fractionator reboiler	(69.86 MM Btu/hr)	
1 deethanizer reboiler	(148.6 MM Btu/hr)	
1 depropanizer reboiler	(148.6 MM Btu/hr)	
1 debutanizer reboiler	(69.86 MM Btu/hr)	
1 debut. and depro. (spare)	(148.6 MM Btu/hr)	
1 fuel frac. & debut. (spare)	(69.86 MM Btu/hr)	
2 glycol solution heaters	(130 MM Btu/hr)	
1 glycol solution heater (spare)	(130 MM Btu/hr)	
1 glycol solution heater (control center)	(18 MM Btu/hr)	
		1,063.38 MM Btu/hr
4. Emergency Flare (Pilot Mode)	(500,000 scf/day)	
5. Trash Incinerator (control center)	(1700 lb/day)	

for med blue fuel  
T = 654,745  
of which 179,209 = off  
as net T = 475,536

→ 658,060

USEPA REG  
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RADIANT  
CORPORATION